

### AMENDMENTS TO THE CLAIMS

This complete listing of claims will replace all prior versions, and listings, of claims in the application:

#### LISTING OF CLAIMS

1. (Currently Amended) A multilayer dielectric film comprising:  
a first layer formed of a metal oxide material having a dielectric constant  $\kappa$  and thickness  $t$ , the metal oxide material having the formula of  $M_xO_y$ ; and  
a second layer formed on top of said first layer,  
wherein said second layer is formed of a metal silicate material having a dielectric constant lower than the dielectric constant of said first layer and a thickness smaller than the thickness of said first layer.
2. (Original) The multilayer dielectric film of claim 1 wherein said first layer is comprised of a material having a dielectric constant in a range of 15 to 200.
3. (Original) The multilayer dielectric film of claim 1 wherein said second layer is comprised of a material having a dielectric constant in a range of 5 to 100.
4. (Currently Amended) The multilayer dielectric film of claim 1 wherein ~~said first layer is a metal oxide having the formula of  $M_xO_y$ , where M is a metal selected from the group consisting of Zr, Hf, Ti, V, Nb, Ta, Cr, Mo, W, Mn, Zn, Al, Ga, In, Ge, Sr, Pb, Sb, Bi, Sc, Y, La, Be, Mg, Ca, Sr, Ba, Th, Lanthanides (Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu), and mixtures thereof, x is a number in the range of 1 to 3, and y is a number in the range of 2 to 5.~~
5. (Original) The multi layer dielectric film of claim 4 wherein said metal oxide includes more than one metal element.

6. (Original) The multilayer dielectric film of claim 4 wherein said first layer is a metal oxide selected from the group consisting of  $ZrO_2$  and  $HfO_2$ .

7. (Original) The multilayer dielectric film of claim 1 wherein said second layer is a metal silicate having the formula of  $M_xSiO_y$ , where M is a metal selected from the group consisting of Zr, Hf, Ti, V, Nb, Ta, Cr, Mo, W, Mn, Zn, Al, Ga, In, Ge, Sr, Pb, Sb, Bi, Sc, Y, La, Be, Mg, Ca, Sr, Ba, Th, Lanthanides (Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu), and mixtures thereof, x is a number in the range of 1 to 3, and y is a number in the range of 2 to 5.

8. (Original) The multi layer dielectric film of claim 7 wherein said metal silicate includes more than one metal element.

9. (Currently Amended) The multilayer dielectric film of claim 7 wherein said second layer is a metal silicate selected from the group consisting of  $Zr_x-Si-O_y$  and  $Hf_x-Si-O_y$ , wherein x is a number in the range of 1 to 3, and y is a number in the range of 2 to 5.

10. (Original) The multilayer dielectric film of claim 1 wherein said first layer has a thickness in a range of about 30 to 80Å.

11. (Original) The multilayer dielectric film of claim 1 wherein said second layer has a thickness of one to two atomic layers.

12. (Currently Amended) A multilayer dielectric film comprising:  
a first layer formed of a metal oxide material having a dielectric constant  $\kappa$  and a thickness t in the range of about 30 to 80 Å, the metal oxide material having the formula of  $M_xO_y$ ; and

a second layer formed on top of said first layer,

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wherein said second layer is formed of a metal silicate material having a dielectric constant lower than the dielectric constant of said first layer and a thickness in the range of one to two atomic layers.